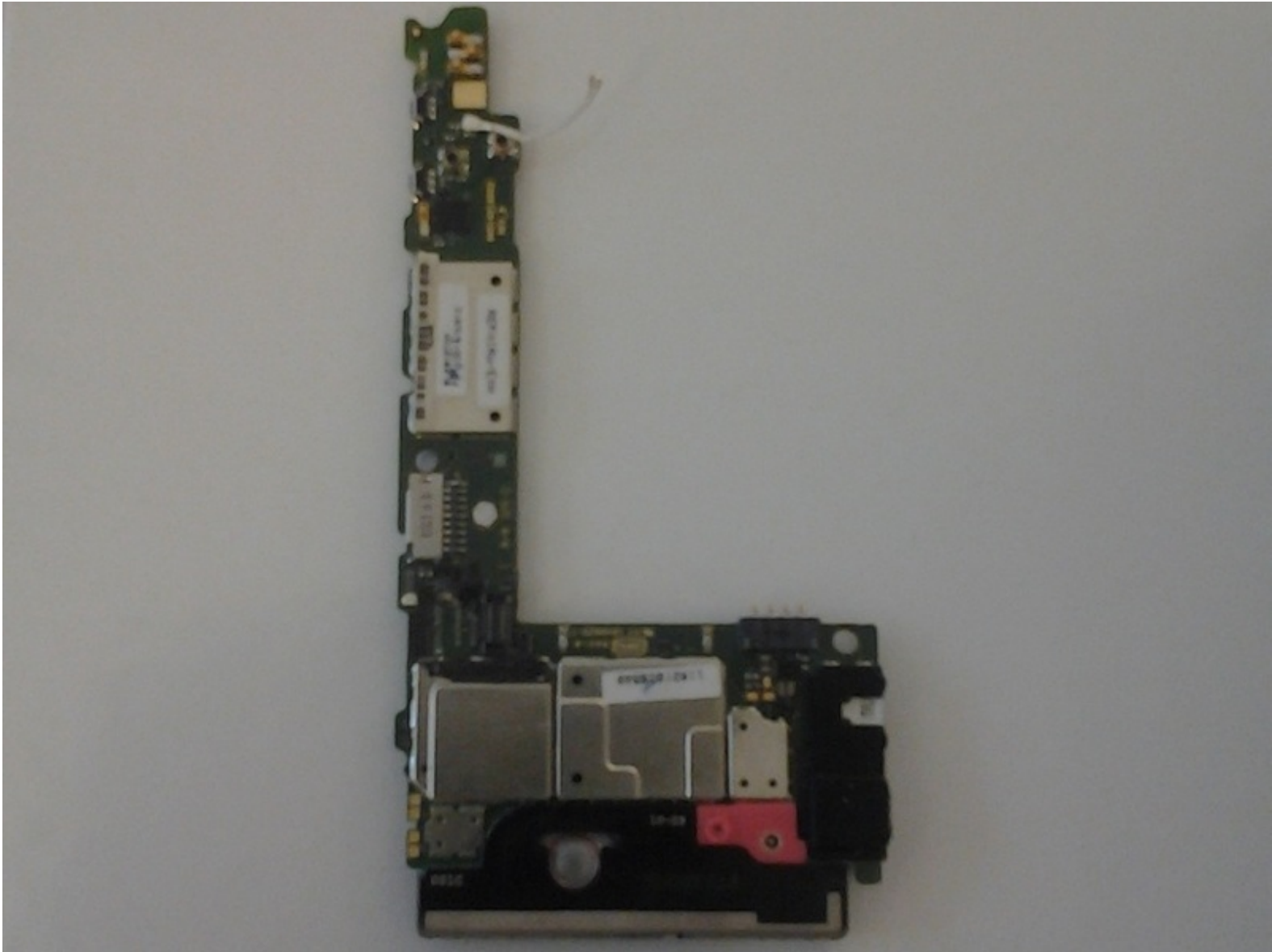




# Motorola Droid X Motherboard Replacement

Written By: Yong hoon choun





## TOOLS:

- [iFixit Opening Tools](#) (1)
-

## Step 1 — Rear Case



- Objective: remove the rear case from the Motorola Droid X phone.
- This is what the Motorola Droid X looks like before disassembly. In the front, there is a large LCD touch screen.

## Step 2



- **INSTRUCTION:** Turn the phone over so that the back faces up.

## Step 3



- Objective: remove the battery casing plate.
- The case plate has a push and slide mechanism.

## Step 4



- **INSTRUCTION 1:** Push on the upper side of the casing located under the camera lens.
- **INSTRUCTION 2:** Slide down the battery case plate.



## Step 5



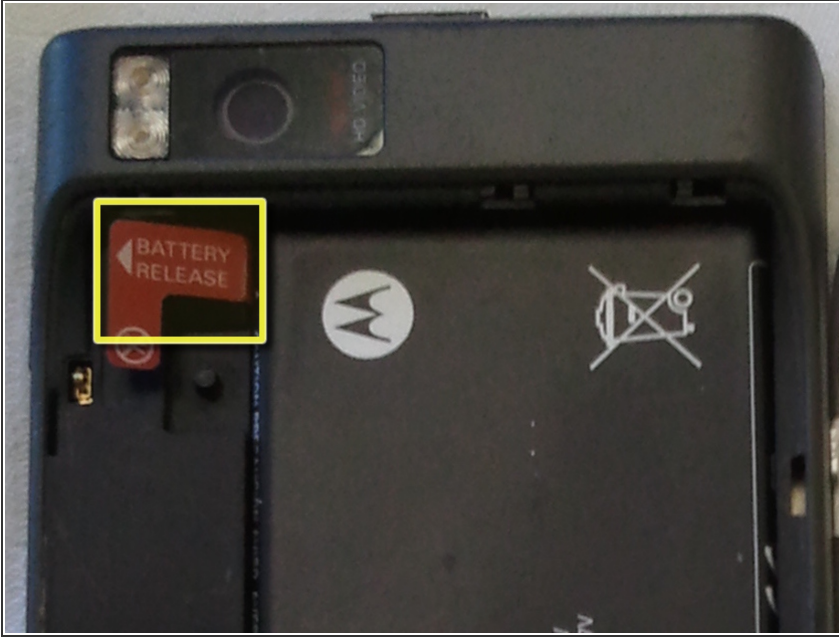
- **INSTRUCTION:** Insert your finger tips into the edges of the opening and pull the casing off.

## Step 6



- **Objective:** remove the battery from the battery compartment.

## Step 7



- **INSTRUCTION:** Grab the red tab that says "Battery Release" and slowly lift it up. This will remove the battery.

## Step 8



- Objective: remove two small black screws from the back of the phone.
- ⓘ These two (2) screws help hold the phone together. They need to be removed by a Phillips Hex 2mm screwdriver,

## Step 9



- **INSTRUCTION:** Remove two black screws from the back of the phone.

## Step 10



- Objective: remove the two plastic pieces in front of the phone - they cover the remaining screws.
- ⓘ The two plastic pieces are clipped onto the phone as covers. They are located at the top and the bottom of the phone.

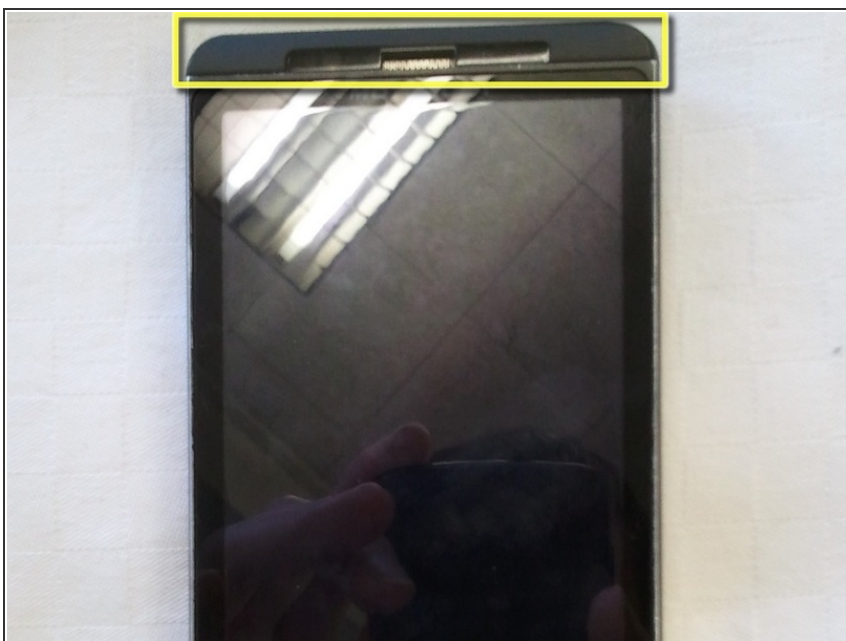


## Step 11



- **INSTRUCTION:** Flip the phone over to the front side.

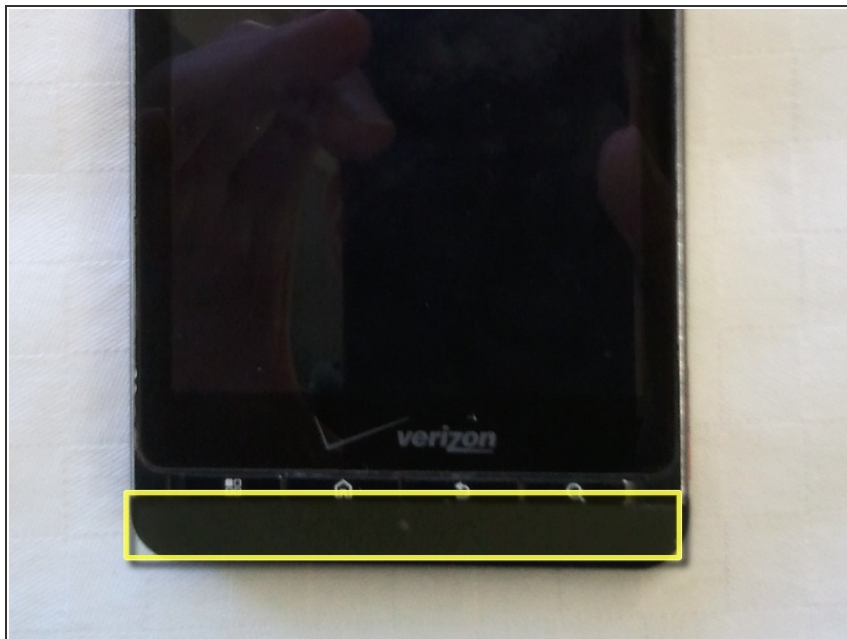
## Step 12



- **INSTRUCTION:** Use the iFixit tool as a crowbar to pry the top plastic cover piece off of the phone. It will pop off.



## Step 13



- **INSTRUCTION:** Use the iFixit tool as a crowbar to pry the bottom plastic piece off the phone.

## Step 14



- Objective: remove four white screws from the corners of the screen.
- ⓘ These four (4) screws help hold the phone together. Use a Phillips Hex 2mm screwdriver

## Step 15



- **INSTRUCTION:** remove the 2 white screws from the upper corners of the screen.

## Step 16



- **INSTRUCTION:** remove the 2 white screws from the lower corners of the screen.

## Step 17



- Objective: remove the rear case from the phone in order to provide access to inside the phone.
- The phone is now held together by the casing alone. You need to pop the two halves apart.

## Step 18



- **INSTRUCTION:** Use the iFixit tool like a crowbar to pry apart the front and rear halves of the casing. They will pop apart.

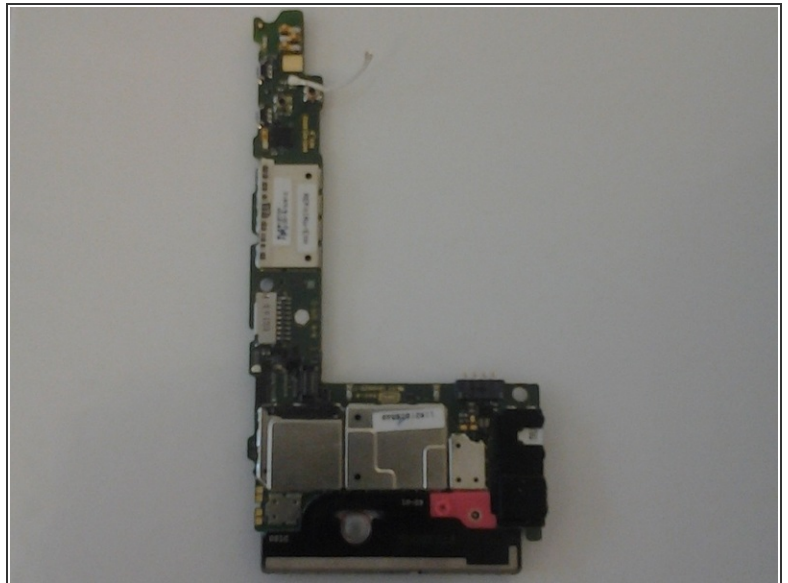
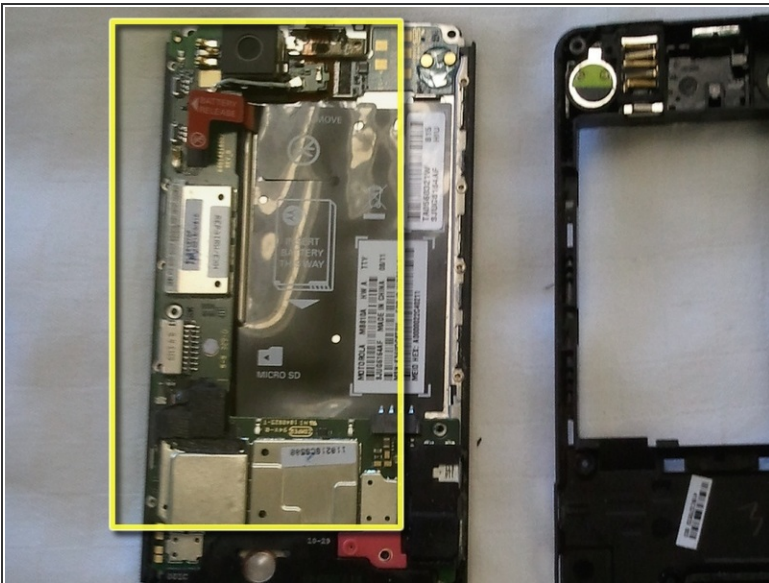


## Step 19



- Now you are ready to access the internal circuits of the phone.

## Step 20 — Motherboard



- The objective of the guide is to remove the motherboard from the camera.
- ❗ The mother board is an L-shaped green circuit board.



## Step 21



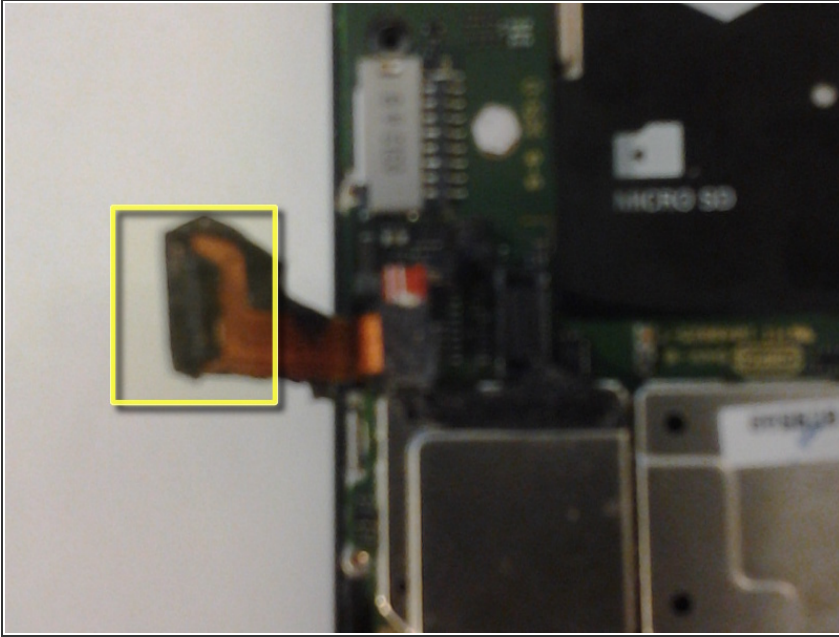
- In order to start, the rear case should have been removed. Follow the rear case removal guide for that procedure.

## Step 22



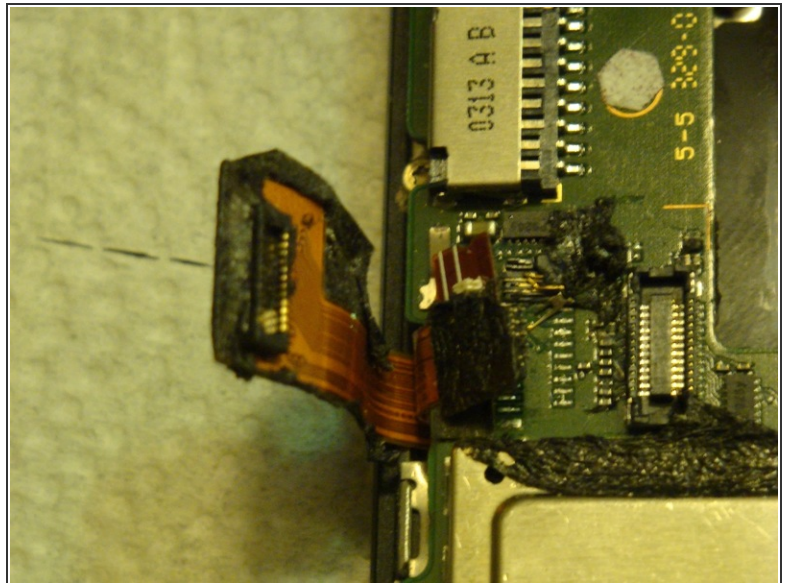
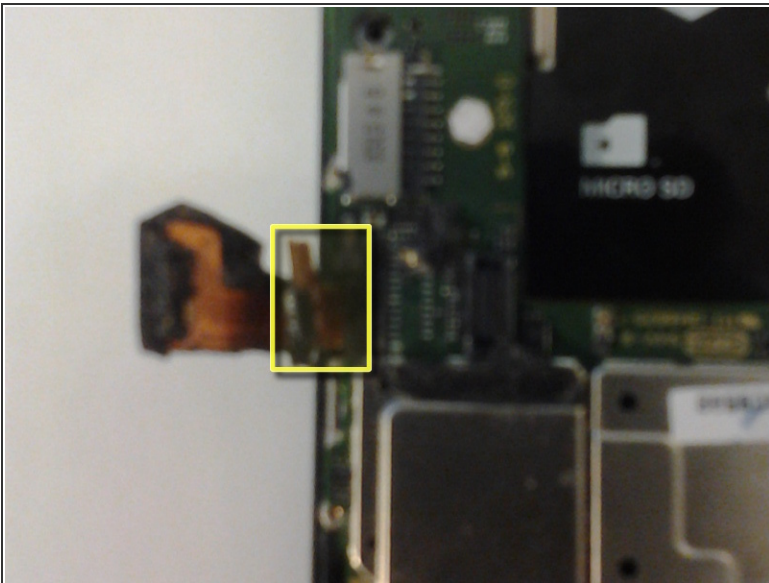
- Let's start. The objective of the following two steps is to remove the circuit connectors connected to the mother board.
- ① They are "clip-on" type connectors which have a black leathery coating. The connectors are located at the lower bottom left part of the "L-Shaped" motherboard.
- ① There are two connectors with the larger one overlapping the smaller one. You can disconnect them either by hand or with the iFixit tool.

## Step 23



- **INSTRUCTION:** Disconnect the larger connector on the top by pulling on the edge of the black coated connector. It will pop off.

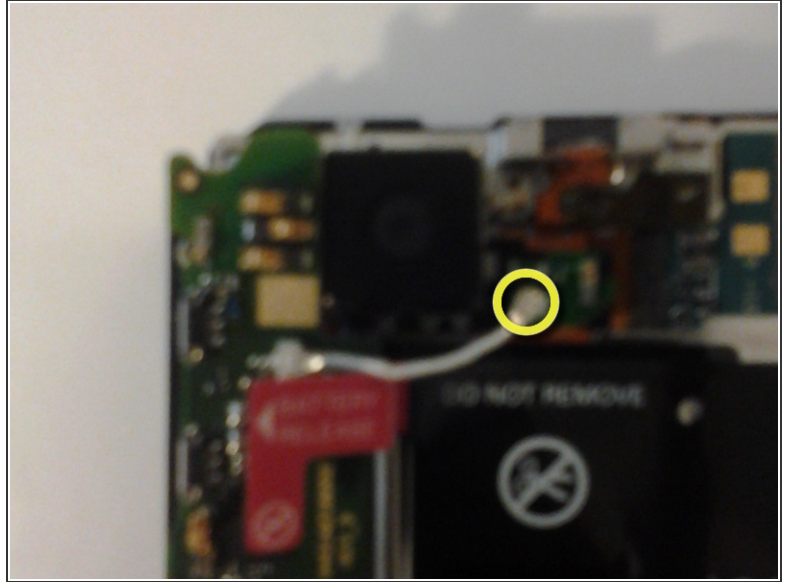
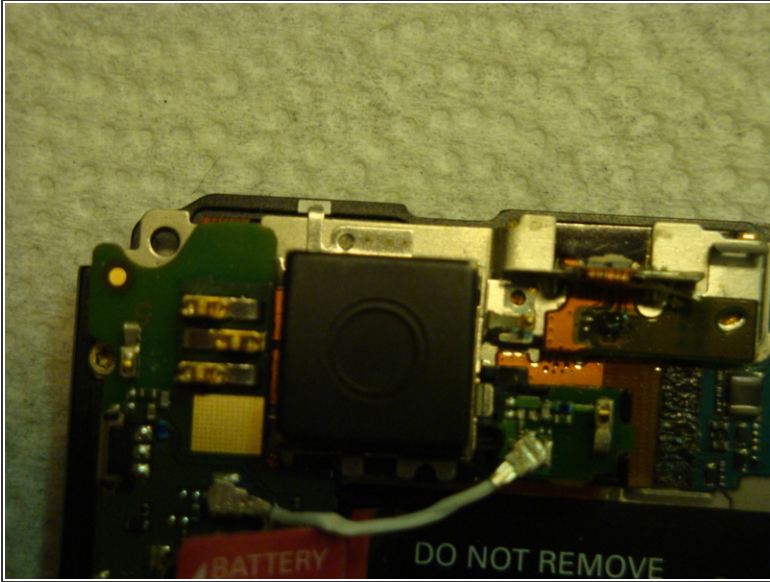
## Step 24



- **INSTRUCTION:** The smaller connector will become visible once the larger one is disconnected. Disconnect it also the same way as before.

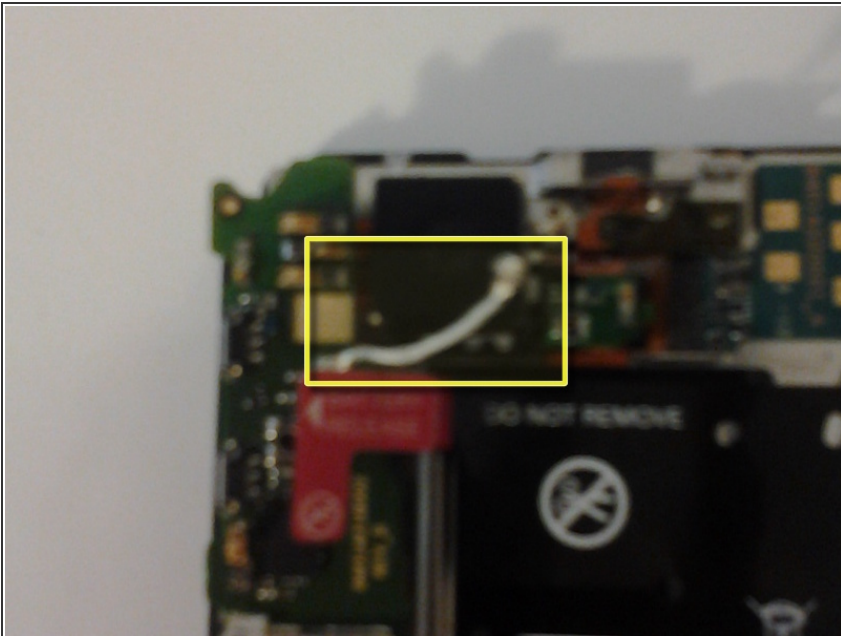


## Step 25



- Objective: disconnect the white wire connected to the motherboard.
- ❗ The wire is visible at the upper left of the "L-shaped" Motherboard. Each end of the white wire is connected by a circular pop-on connector.

## Step 26



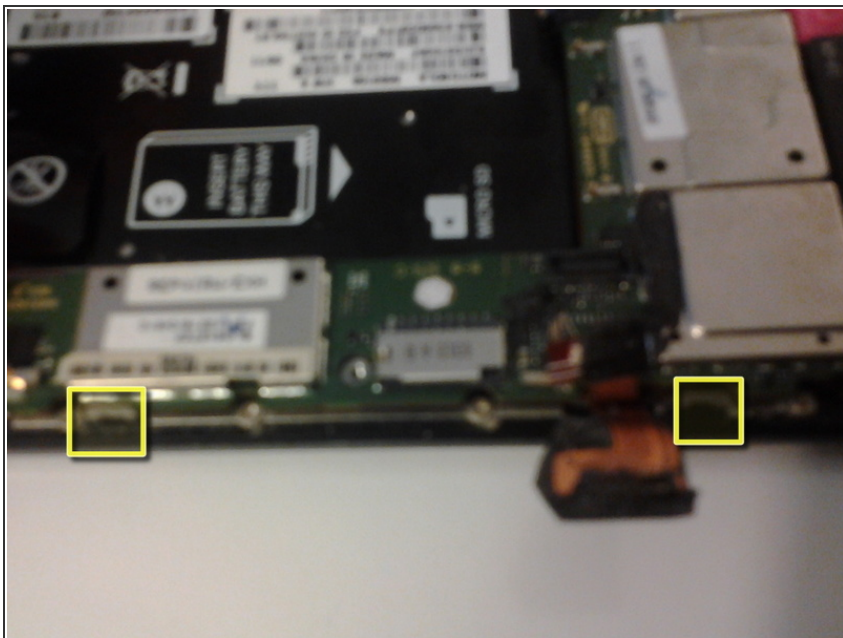
- **INSTRUCTION:** Grab and pull up on the silver connector that is at the end of the white wire connected to the motherboard until it pops off.

## Step 27



- Objective: separate the motherboard from the rest of the phone.
- ⓘ The motherboard is held in place by two silver clasps on the left side of the phone.

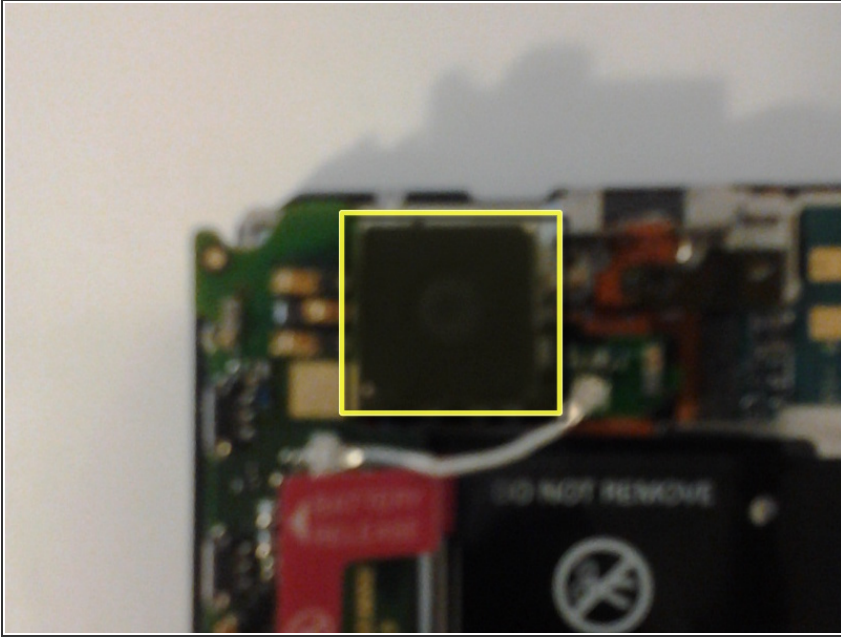
## Step 28



- **INSTRUCTION:** Use the iFixit tool to pry the clasps open. This will free the motherboard from the case.

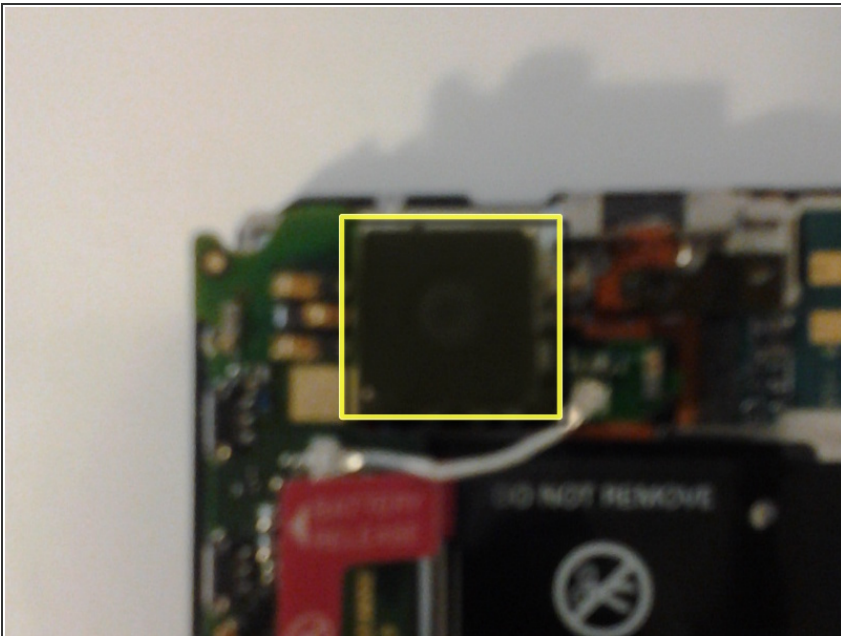


## Step 29



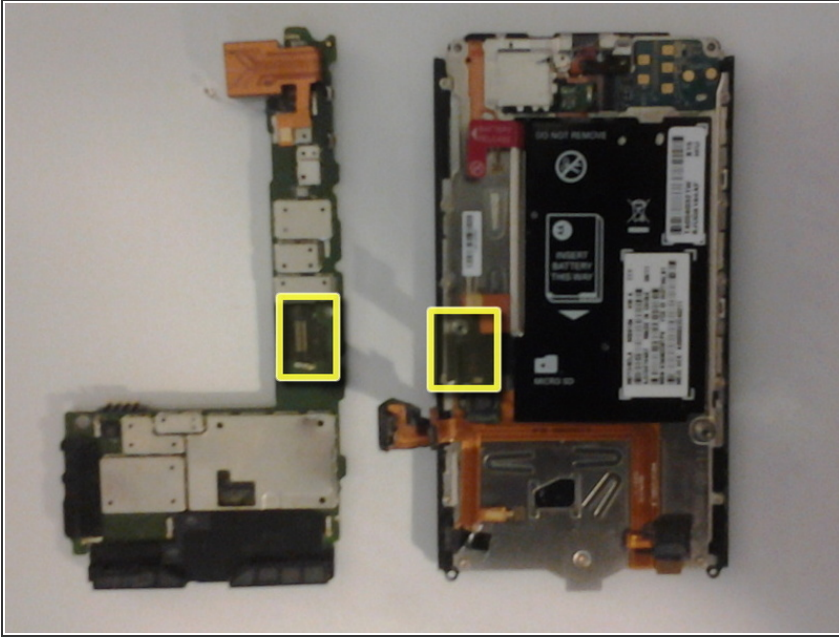
- Objective: detach the camera component from the phone.
- ⓘ The camera component is located at the upper left part of the phone, right above the white wire mentioned previously. The camera is square.

## Step 30



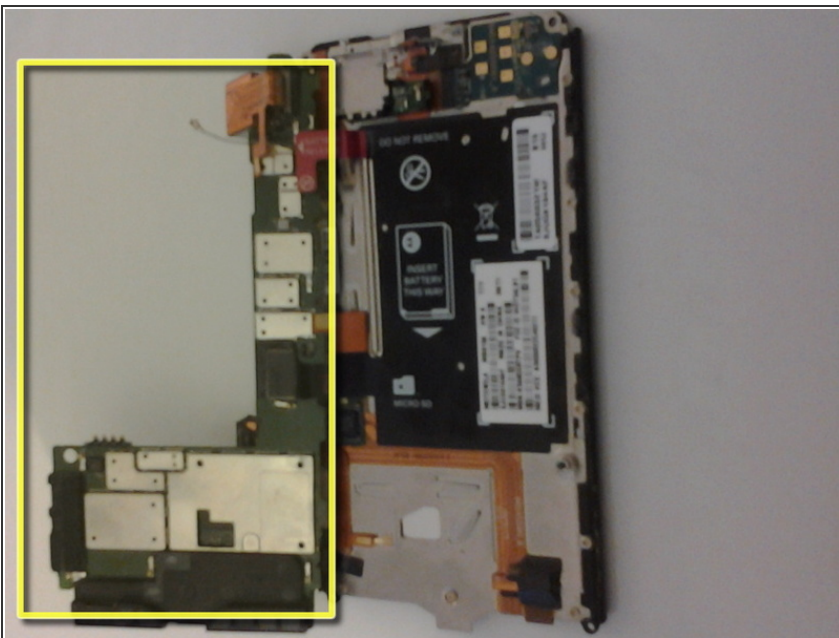
- **INSTRUCTION:** Grab the camera component and pull it out of its casing. Keep the camera connected to the mother board.

## Step 31



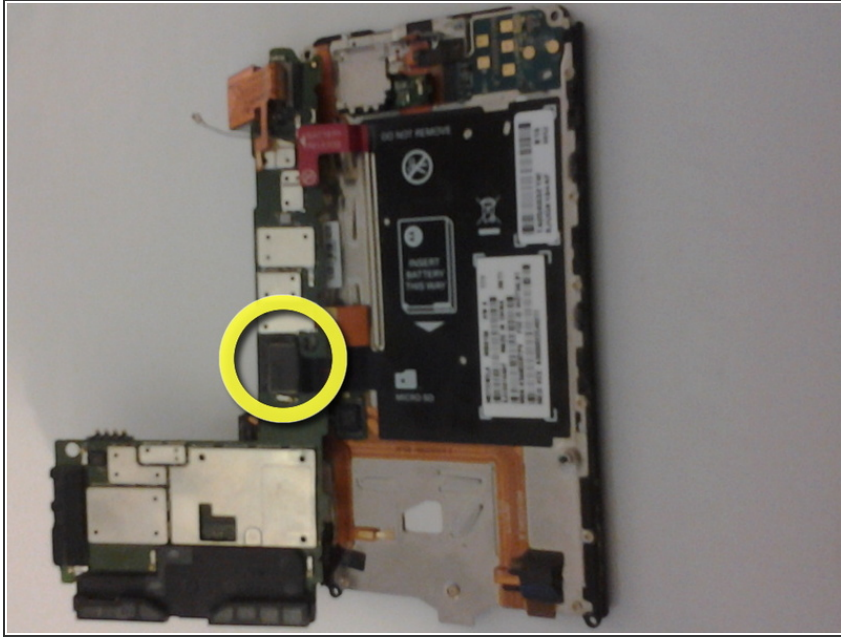
- Objective: disconnect a circuit connector from underneath the motherboard to finish the process.
- The circuit connector is a gold and black colored "clip-on" type connector located in the middle left side of the phone. It is connected to the underside of the motherboard.

## Step 32



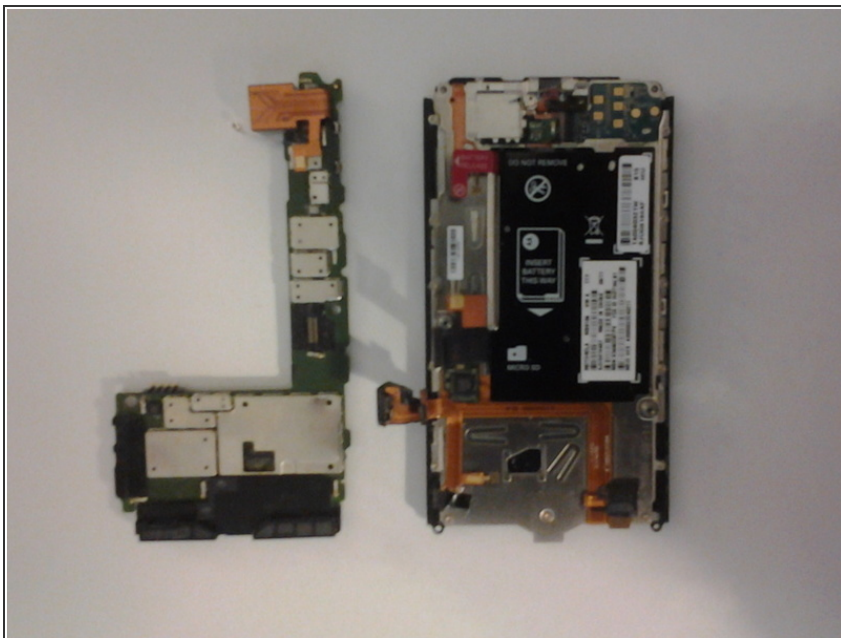
- **INSTRUCTION: Slowly lift up the motherboard as you would turn a page.**
- The motherboard is still connected to the phone."

## Step 33



- **INSTRUCTION:** Use your fingertips to grab a edge of the connector and pop it off.

## Step 34



- Conclusion: Now, you have successfully removed the motherboard.
- At this point, you will be left with the following: 2 black screws, 4 silver screws, 1 motherboard, 1 camera, 1 rear case, 1 battery, 2 plastic pieces from the front case, and the rest of the phone.

To reassemble your device, follow these instructions in reverse order.